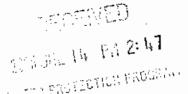
# Use Attainability Analysis

for

WBID 0924 South Fork of the Blackwater River

Submitted by Tetra Tech. Inc.

To Missouri Department of Natural Resources Water Protection Program



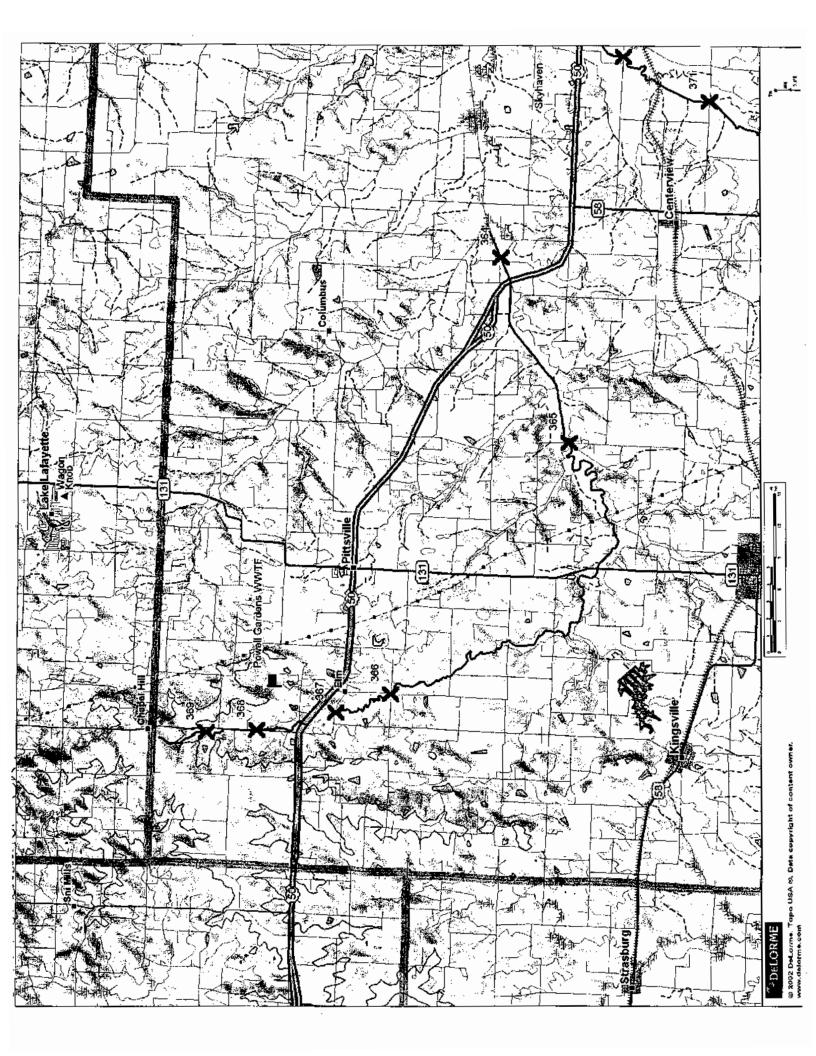
# Data Sheet A - Water Body Identification

Water Body Name: (from USGS 7.5' quad) 5 FK. Blackwater RIVER
8-digit HUC: 10300104
Missouri WBID #: 0924
County: Johnson
Upstream Legal Description:
Downstream Legal Description:
Upstream Coordinates: 38.89849 94.05978
Downstream Coordinates: 38.80214 93.86035 (UGS 84, ddd.ddddd) 38.80214 93.86035
Discharger Facility Name(s): POWELL GOVDENS WWTF
Discharger Permit Number(s):
Number of Sites Evaluated:
Name of Surveyor and Telephone Number: DB, CG (410) 356-8993
Organization: Tetra Tech INC
Position: Scientists
the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed:

Date: 6/29/05



#### Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID#: 0924 (51te 1D-364)			Site Location De	Site Location Description: (a) Old (non-functioning)  Driage CNOSSING on Unnamed Rd.  (Farm Road).				
Site GPS Coordinates: 38.80214°, 93.86035			35	ge crossing on	(Farm Road).			
Date & Time: 29 Une 2005; 1:10 pm				Facility Name: Powell Gardens WWTF				
Personnel: DB. CG	. ,	!	Permit Number:	Permit Number:				
Current Weather Condition	ns: Sunny, hot,	hon	nid Weather Conditi	ons for Past 7 days: Hot)	humid, dry			
Photo Ids: Upstream:  887   Downstream:  888   Other:  889								
Uses Observed*: Memory card A								
☐ Swimming	☐ Skin diving		SCUBA diving	□ Tubing	☐ Water skiing			
☐ Wind surfing	☐ Kayaking	[	Boating	☐ Wading	☐ Rafting			
☐ Hunting	☐ Trapping		] Fishing	None of the above	Other:			
Describe: (include numbe	r of individuals recre	eating,	frequency of use, photo-	documentation of evidence	of recreational uses, etc.)			
1 NA								
/				•	ļ			
				·	·. ·			
Surrounding Condition tems of interest.)	s*: (Mark all that p	romote	or impede recreational u	ses. Attach photos of evider	nce or unusual			
<del></del>	D Planarada		OC conservation lands	☐ Urban areas	☐ Campgrounds			
☐ City/county parks	☐ Playgrounds		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<u> </u>				
☐ Boating accesses	☐ State parks		tional forests	☐ Nature trails	☐ Stairs/walkway			
☐ No trespass sign	☐ Fence	LI Ste	ep slopes	Other:				
Evidence of Human Use	e*:				·.			
Roads	☐ Foot paths/prin	ts	☐ Dock/platform	☐ Livestock Watering	☐ RV / ATV Tracks			
☐ Rope swings	☐ Camping Sites		☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle			
Other:			<u> </u>					
		<del></del> -						

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

September 29, 2004 Page 18

<sup>\*</sup>Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

# Page Two - Data Sheet B for WBID # 0924 : (Site ID - 364)

Stream Morj Upstream			mensions:					
□ Riffle	Width (ft		Length (ft):		Avg. Depth	(ft):	Max. Depth (ft):	
□ Run	Width (ft	):	Length (ft):		Avg. Depth	(ft):	Max. Depth (ft):	
D Pool	Width (ft	): 9m	Length (ft):	20m	Avg. Depth	(M: 0.25	Max. Depth (ft):	0.4m
Flow	Present?	Yes	□ No		Estimated (f	13/sec): 18 3	econds/meter	
Downstre	am View	Physical	Dimensions:			· "		
□ Riffle	Width (ft		Length (ft):		Avg. Depth	(ft);	Max. Depth (ft):	
□ Run	Width (ft	 ):	Length (ft):		Avg. Depth	(ft):	Max. Depth (ft):	<u> </u>
⊠ Pool	Width (fi	8: 6m	Length (ft):	20m	Avg. Depth	(80): 0.2 <sub>1</sub>	Max. Depth (At):	0.3M
Ď.Flow	Present?	j∆(Yes	□ No		Estimated (f	t³/sec): [54	seconds/meta	
			add up to 100%.)					
25 %	6 Cobble	25 9	6 Gravel	% Sar	d	% Silt =	00 % Mud/Clay	% Bedrock
Water Char	•	cs*: (Mark	all that apply.)	П.С	emical	None	☐ Other:	
Color:		□ Sewage □ Clear	☐ Green			☐ Milky	Other: brow	nich
Bottom De					ne sediments	□ None		
Surface De	<del></del>	□ Sludge	☐ Solids				Other: OYAVL	1/coloble
Sui lace De	posit.	Oil	☐ Scum	□ <b>F</b> c	am	None	Other:	·
Comments:	Please at	ttach addit	ional comment	s (includi	ng informat	ion from inter	rviews) to this form.	
comprehensive	understan	ding of wate	r conditions. Con	sequently, 1	his informatio	on is not intended	is to provide a more d to directly influence a nat effect another use.	
I, the unders datasheet is				t of my k	nowledge, t		mation reported on	this UAA
Signed:	<u>(</u>				Date:	6/29 n:5Cilv	105	
Organization	: Te	tra Te	ch, INC		Positio	n: _ Scilv	ntist	
			Q	c Che	.ck % c	G		





additional photos not included in this document

#### Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 00	124-15iteI	D-365)	Site Location De	scription: at 1021 R	oad bridge		
Site GPS Coordinates: 39	3.78014:93	93784	]	Crossina	<u>] -                                     </u>		
Date & Time: 29 June			Facility Name: 7	owell Gardens V	VWTF		
Personnel: DB, CG	7		Permit Number:				
Current Weather Condition	s:Sunny hot,	humid.	Weather Conditions for Past 7 days: Apt, humid, dry				
Photo Ids: Upstream: 19	Down		39D Other				
Uses Observed*:			Memor	y card.A			
☐ Swimming	☐ Skin diving	□ sc	UBA diving	☐ Tubing	☐ Water skiing		
☐ Wind surfing	☐ Kayaking	□ Boa	ating	☐ Wading	☐ Rafting		
☐ Hunting	☐ Trapping	☐ Fist		None of the above	Other:		
Describe: (include numbe	r of individuals recre	eating, frequ	ency of use, photo-	documentation of evidence	of recreational uses, etc.)		
N/A				•			
/*							
				:			
			······································				
Surrounding Condition	S*: (Mark all that n	romote or im	nede recreational u	ses. Attach photos of evider	nce or unusual		
items of interest.)				·			
☐ City/county parks	☐ Playgrounds	☐ MDC co	nservation lands	☐ Urban areas	☐ Campgrounds		
☐ Boating accesses	☐ State parks	☐ National	forests	☐ Nature trails	☐ Stairs/walkway		
☐ No trespass sign	☐ Fence	Steep slo	pes 1892	Other:			
Evidence of Human Use	e*:						
□ Roads	☐ Foot paths/prin	ıts 🗆 I	Dock/platform	☐ Livestock Watering	☐ RV / ATV Tracks		
☐ Rope swings	☐ Camping Sites		ire pit/ring	☐ NPDES Discharge	Fishing Tackle		
Other: Graffity	writing or	n brida	e support r	uar water. 180	13		
Site I continue Man(s).	, , , , , , , , , , , , , , , , , , ,				J. Made on u		

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

September 29, 2004 Page 18

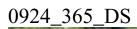
<sup>\*</sup>Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Page Two - Data Sheet B for WBID # 0924: 5ite ID . 365

	ream Morp Upstream		sical Din	ensions:						
	☐ Riffle	Width (ft):	_	Length (ft):		Avg. Depth	(ft):	Max. Dept	h (ft):	_
	□ Run	Width (ft):	·	Length (ft):		Avg. Depth	(ft):	Max. Dept	h (ft):	
	DX Pool	Width (ft):	17m	Length (ft):	20m	Avg. Depth	(ft): 0.8m	Max. Dept	h (ft):   . \ )	m *
	Flow	Present?	□ Yes	No No	<u> </u>	Estimated (f	t³/sec): not		ade	
	Downstrea	m View	Physical 1	Dimensions:	* \		ESTIN			
	□ Riffle	Width (ft):		Length (ft):		Avg. Depth	(ft):	Max. Depti	h (ft):	
	□ Run	Width (ft):		Length (ft):		Avg. Depth	(ft):	Max. Dept	n (ft):	
	⊠ Pool	Width (ft):	17m	Length (ft):	20m	Avg. Depth	(ft): 1 <b>.8</b> VV	Max. Depti	h (ft):   .   v	n *
	Flow	Present?	☐ Yes	⊠ No		Estimated (f	_	measu	vable	
Su		(These valu		dd up to 100%.) Gravel	20 % San	d	25 % Silt   50	% Mud/Clay	%	Bedrock
		·	N,	nt of vegetation	or algal grov	vth at the asso	essment site)			
YY	Odor:			all that apply.)		emical	None			. 1
	Color:		Sewage Clear	☐ Musky ☐ Green	□ Gra		☐ Milky	Other:	orownis	<u></u>
							<del></del>		SIONAL VIEW	<del>1</del>
*Ti cor dec  I, t da  Sig	Bottom Deposit: Sludge Solids Fine sediments None Other:  Surface Deposit: Oil Scum Foam None Other:  Comments: Please attach additional comments (including information from interviews) to this form.  *This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use.  I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.  Signed: Date: 6/29/05  Organization: The UAA Tech, INC. Position: Schemist									
			÷	(	2 C CF	reck :	CG			

0924\_365\_US







additional photos not included in this document

## Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID#: 09	24 (site ID-	366)	Site Location Des	scription: at Interse and 1601 Rd a	chon of 450		
Site GPS Coordinates: 38. 83788 94.04337				and root ka a	chossina.		
201	1 2005; Z	35pm	Facility Name: Powell Gardens WWTF				
Personnel: DB CG	<del></del>	· /	Permit Number:				
Current Weather Conditions: Sunny, hot, humid Weather Conditions for Past 7 days: hot humid, dry							
Photo Ids: Upstream:	9(a Down	stream:   8	97 Other:	*1898, 1899 **			
# moved lawn biside stream Memory card A Uses Observed*: * road/trail crossing bedrock in stream. Memory card A							
	☐ Skin diving	□ sct	JBA diving	☐ Tubing	☐ Water skiing		
☐ Wind surfing	☐ Kayaking	□ Boa	ting	☐ Wading	☐ Rafting		
☐ Hunting	☐ Trapping	☐ Fish	ning	None of the above	☐ Other:		
Describe: (include numbe	r of individuals recre	eating, freque	ency of use, photo-	locumentation of evidence	of recreational uses, etc.)		
1	A						
urrounding Condition	· · · · · · · · · · · · · · · · · · ·	<u></u>	pede recreational us	es. Attach photos of evider	Campgrounds		
☐ Boating accesses	☐ State parks	☐ National		☐ Nature trails	☐ Stairs/walkway		
	<del>                                     </del>			<del></del>	C Stall & Walkway		
☐ No trespass sign	□ Гепсе	☐ Steep slop	pes	C Other:			
vidence of Human Us	e*:				1890		
Roads	☐ Foot paths/print	ts 🗆 D	ock/platform	☐ Livestock Watering	RV / ATV Tracks		
☐ Rope swings	☐ Camping Sites	□ F	ire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle		
Other: 1898 (	grassy arla	715. (m	awn	)			
,	<i></i>	'n	10Wed		-		

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

<sup>\*</sup>Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Page Two - Data Sheet B for WBID # 0924: Site 10 - 366 Stream Morphology: Upstream View Physical Dimensions: ☐ Riffle Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): 6-29-05 Width (ft): □ Run Length (ft): Avg. Depth (ft): Max. Depth (ft): D.9m DXPool Width (R): 5m Length (ft): Avg. Depth (fp): Max. Depth (ft): X Flow Estimated (ft<sup>3</sup>/sec): MON- MLASUVAL DY No Present? □ Yes Downstream View Physical Dimensions: Width (ft); Length (ft): Avg. Depth (ft): Max. Depth (ft): ☐ Riffle Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): □ Run Length (ft): 20 m Avg. Depth (R): Width (ft): ₽ool ⊅ Max. Depth (ft): nn Estimated (ft³/sec): 1001- m la Surab 🖾 Flow Present? ⊠ No ☐ Yes Substrate\*: (These values should add up to 100%.) % Gravel % Cobble % Sand % Silt % Mud/Clay 30 % Bedrock Aquatic Vegetation\*: (note amount of vegetation or algal growth at the assessment site) Water Characteristics\*: (Mark all that apply.) Odor: X None □ Chemical ☐ Sewage ■ Musky Other: Color: DOWNISH □ Milky □ Clear ☐ Green □ Gray Other: **Bottom Deposit:** Fine sediments □ None ☐ Sludge □ Solids Other: Surface Deposit: None N Oil □ Scum □ Foam Other: Comments: Please attach additional comments (including information from interviews) to this form. \*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use. I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate. Date: 6/29/05 Position: 7 Scientist INC Organization:

ac checks ca







additional photos not included in this document

## Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

	Missouri WBID#: 09	24 (site I	D-3	Site Loca	ion Des	scription: at 550 R	d at bridge	
	Site GPS Coordinates: 3	8.485662°,		05070		crossing		
		(2005; 2:59	pm	Facility N	ame: {	owell Gardens	WWTF	
	Personnel: DB, (6	<u> </u>	<b></b>	Permit Nu	Permit Number:			
Current Weather Conditions: Sunny, hot, humid Weather Conditions for Past 7 days: hot, hum								
	Photo Ids: Upstream: 1	900 Dow	nstrear		Other:			
Uses Observed*: - Memory card A								
	□ Swimming	☐ Skin diving		□ SCUBA diving	-	☐ Tubing	☐ Water skiing	
	☐ Wind surfing	☐ Kayaking		□ Boating		□ Wading	☐ Rafting	
į	☐ Hunting	☐ Trapping		☐ Fishing		None of the above	☐ Other:	
Su	N/A					es. Attach photos of evider		
	☐ City/county parks	☐ Playgrounds	□м	DC conservation la	ınds	☐ Urban areas	☐ Campgrounds	
	☐ Boating accesses	☐ State parks		ational forests		☐ Nature trails	☐ Stairs/walkway	
	☐ No trespass sign	☐ Fence	□ St	eep slopes		☐ Other:		
Ey	idence of Human Us	e*:					٠.	
	Roads	☐ Foot paths/prit	nts	☐ Dock/platform	n	☐ Livestock Watering	□ RV / ATV Tracks	
	☐ Rope swings	☐ Camping Sites		☐ Fire pit/ring		☐ NPDES Discharge	☐ Fishing Tackle	
	Other: graffit	1902						

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

<sup>\*</sup>Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

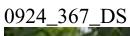
Page Two - Data Sheet B for WBID # 0924 : SHC ID- 367-Stream Morphology: Upstream View Physical Dimensions: Width (ft): Avg. Depth (ft): Max. Depth (ft): Length (ft): ☐ Riffle Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): 🗀 Run Length (ft): 20 m Max. Depth (ft): () . 4 m Width (ft): Avg. Depth (ft): 🗷 Pool 6m Estimated (ft3/sec): YOM - WLASUVA 🛛 Flow Present? ☐ Yes ⊠ No Downstream View Physical Dimensions: Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): Riffle | Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): □ Run Length (fx): 70 m 0.3m Width (ft): Avg. Depth (ft): Max. Depth (ft): ⊠ Pool Estimated (ft³/sec): MUY - WLAGUYALD K) Flow Present? ☐ Yes (XXNo Substrate\*: (These values should add up to 100%.) 25 % Cobble % Gravel 25 % Sand % Silt % Mud/Clay % Bedrock 25 Aquatic Vegetation\*: (note amount of vegetation or algal growth at the assessment site) N/K Water Characteristics\*: (Mark all that apply.) Odor: ☐ Sewage □ Chemical ☑ None Other: ☐ Musky Color: 図 Other: prownられ ☐ Clear □ Green □ Milky 🛛 Gray Bottom Deposit: Fine sediments ☐ Sludge □ Solids □ None □ Other: Surface Deposit: None None ☐ Oil ☐ Scum ☐ Foam ☐ Other: Comments: Please attach additional comments (including information from interviews) to this form. \*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use. I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurates Date: 6/29/05
Position: Scientist Signed: Organization:

QC Chlck ; cG

September 29, 2004

0924\_367\_US







additional photos not included in this document

#### Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

- UIX7 (JIIU)			Site Location De	escription: HWYZ (a	bridge			
Site GPS Coordinates: カ	Site GPS Coordinates: 38.88202, 94.05900			orossino	)			
			Facility Name:	Powell Gardens	WWTF			
Personnel: DB,CG			Permit Number:	Permit Number:				
Current Weather Condition	s: Sunny, hut	humio	Weather Conditions for Past 7 days: Hot, humid, dry					
Photo Ids: Upstream: 10	703 Down	stream:	D 1904 Other	1905				
Uses Observed*:		. 6	29.05 Me	mony card A				
☐ Swimming	☐ Skin diving	□ sc	UBA diving	☐ Tubing	☐ Water skiing			
☐ Wind surfing	☐ Kayaking	□Во	ating	☐ Wading	☐ Rafting			
☐ Hunting	☐ Trapping	☐ Fis	hing	None of the above	☐ Other:			
N/A Surrounding Condition				documentation of evidence				
terns of interest.)	Dovernments	□ MDC or	onservation lands	☐ Urban areas	□ Compressioneds			
Boating accesses	☐ Playgrounds ☐ State parks	☐ National		☐ Nature trails	☐ Campgrounds			
☐ No trespass sign	☐ State parks	☐ Steep sk		Other:	☐ Stairs/walkway			
Evidence of Human Use	1	L Steep sit	ppes	1 to Other:	·			
Roads	☐ Foot paths/prin	ts 🗓 I	Dock/platform	☐ Livestock Watering	□ RV / ATV Tracks			
☐ Rope swings	☐ Camping Sites		Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle			
Other: MOWE		905)						
Site I centions March					3 M.J.			

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

September 29, 2004

Page 18

<sup>\*</sup>Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Page Two - Data Sheet B for WBID # 0924: Site ID-368

Upstream Vi  ☐ Riffle W	idth (ft):		Length (ft):		Avg. Depth	(ft):	Max. Depth (ft):	
□ Run W	idth (ft):	-	Length (ft):		Avg. Depth	(ft):	Max. Depth (ft):	
Pool W	idth (ft):	lom	Length (ft):	20m	Avg. Depth	ges: 1.0m	Max. Depth (ft):	1.1m
Flow Pr	esent?	☐ Yes	Ď No		Estimated (f	1³/sec): 7000	- measural	ole
Downstream	View I	Physical	Dimensions:			· · ·		
	idth (R):	I m	Length (fix):	20m	Avg. Depth	(m): 0.15 m	Max. Depth (ft):	0-1m
	idth (ft):		Length (ft):		Avg. Depth		Max. Depth (ft):	<u>V-1197</u>
	idth (ft);		Length (ft):		Avg. Depth		Max. Depth (ft):	
$\overline{}$	esent?	X Yes	□ No		Estimated (f	13/sec): 301	conds/meter	
		<del>/ \</del> -		11-				<del></del>
	hese valuo obble		dd up to 100%.) Gravel	25 % San	<u> </u>	% Silt	% Mud/Clay	% Bedrock
		(note amou	ant of vegetation	or algal grov	vth at the asse	essment site)	<u>_</u>	· ·
N 11	٨							
' <i>`' +</i>	ተ							
N/#	ተ 							
<u> </u>	<u>_</u>	:	all that anoly.)			······································		
	teristics	i*: (Mark Sewage	all that apply.)	□ Ch	emical	None	☐ Other:	
ater Charact	teristics			□ Ch		⊠None  ☐ Milky		mish
oter Charact	teristics	Sewage	☐ Musky	□ Gn	iy	<u> </u>	Other:	vnish
ter Charact Odor: Color: Bottom Depos	teristics	Sewage Clear	☐ Musky	□ Gn	e sediments	☐ Milky ☐ None	Other: brov	vnish
oter Charact Odor: Color:	teristics	Sewage Clear Sludge	☐ Musky ☐ Green ☐ Solids	□ Gr	e sediments	☐ Milky	Other: byov	vnish
Odor: Color: Bottom Depos	teristics	Sewage Clear Sludge Oil	☐ Musky ☐ Green ☐ Solids ☐ Scum	□ Gra  Fin	e sediments	☐ Milky ☐ None ☐ None	Other: byov	
Odor: Color: Bottom Depos Surface Depos	teristics	Sewage Clear Sludge Oil	☐ Musky ☐ Green ☐ Solids ☐ Scum ional commen	Gring Fin	e sediments am	☐ Milky ☐ None ☐ None ☐ None ion from interv	Other: brov	
ater Charact Odor: Color: Bottom Depos Surface Depos omments: Ple	teristics	Clear Sludge Oil ach additione used soling of water	☐ Musky ☐ Green ☐ Solids ☐ Scum  ional commentely for removal or conditions. Co	Grants (including of a recreation insequently, the	e sediments am ag informat nal use design	☐ Milky ☐ None ☐ None ☐ None ion from intervation but rather is not intended	Other: byov  Other: Other:	1.
ater Charact Odor: Color: Bottom Depos Surface Depos mments: Ple	teristics	Clear Sludge Oil ach additione used soling of water	☐ Musky ☐ Green ☐ Solids ☐ Scum  ional commentely for removal or conditions. Co	Grants (including of a recreation insequently, the	e sediments am ag informat nal use design	☐ Milky ☐ None ☐ None ☐ None ion from intervation but rather is not intended	Other: byov  Other: Other:	1.
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ater Charact Odor: Color: Bottom Depos Surface Depos mments: Ple his information aprehensive und ision on the rec	sit:  case attais not to liderstanding reation united, he	Clear Clear Sludge Oil ch additions of water se analysis	☐ Musky ☐ Green ☐ Solids ☐ Scum ional commentely for removal or conditions. Constitutions to the best irm to the best	Find Formula F	e sediments am ag informat nal use design his information hat need furth	Milky  None  None  None  ion from intervation but rather is not intended her analysis or that hat all inform	Other: Drov  Other: Other: views) to this forms to provide a more to directly influence at effect another use.	1.
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additional photos not included in this document

#### Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 0924 (51te ID-369)			Site Location Description: NW 900th Rol at bridge crossing					
Site GPS Coordinates: 38.89849; 94.05978			7 1444 100	,, t	ac at bridge o	10351107		
Date & Time: 29 Unl	Date & Time: 29 Unl 2005; 3:34 pm			Facility Name: Powell Gardens WWTF				
Personnel: DB, CG	Personnel: DB, CG			Permit Number:				
Current Weather Condition	Weather Co	Weather Conditions for Past 7 days: hot, humid, dry						
Photo Ids: Upstream:	106 Down	nstream: [						
ses Observed*:			men	10r	y card A			
□ Swimming	☐ Skin diving	□ se	CUBA diving		☐ Tubing	☐ Water skiing		
□ Wind surfing	☐ Kayaking	⊡ B	nating		☐ Wading	☐ Rafting		
☐ Hunting	☐ Trapping	□Fi	shing		None of the above	☐ Other:		
surrounding Condition	S*: (Mark all that p	promote or i	mpede recreatio	nal us	es. Attach photos of evider	nce or unusual		
☐ City/county parks	☐ Playgrounds	□ MDC o	onservation lan	ds	☐ Urban areas	☐ Campgrounds		
☐ Boating accesses	☐ State parks	☐ Nation	al forests		☐ Nature trails	☐ Stairs/walkway		
☐ No trespass sign	☐ Fence	☐ Steep si	opes		Other:			
Evidence of Human Use	e <b>*:</b>							
Roads	☐ Foot paths/prit	nts 🗆	Dock/platform		☐ Livestock Watering	☐ RV / ATV Tracks		
☐ Rope swings	☐ Camping Sites		Fire pit/ring		☐ NPDES Discharge	☐ Fishing Tackle		
Other:								

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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<sup>\*</sup>Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Page Two - Data Sheet B for WBID # 0924: Site ID - 369 Stream Morphology: Upstream View Physical Dimensions: □ Riffle Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): Width (ft): □ Run Length (ft): Avg. Depth (ft): Max, Depth (ft): r×Pool Width (f): 2 Length (fr): 20m Avg. Depth (fx): Max. Depth (ff): 1.3m Estimated (ft<sup>3</sup>/sec): **⊠**Flow Present? mlasvrable ☐ Yes X No Downstream View Physical Dimensions: Width (ft): ☐ Riffle Length (ft): Avg. Depth (ft): Max. Depth (ft): 3m ⊠Run Width (ft): Length (ff):  $20 \,\mathrm{m}$ Avg. Depth (ft): Max. Depth (R): 1.25m Width (ft): ☐ Pool Length (ft): Avg. Depth (ft): Max. Depth (ft): Ď√Flow Estimated (ft<sup>3</sup>/sec): 15 seums meter Present? Yes ☐ No Substrate\*: (These values should add up to 100%.) 40 % Cobble % Gravel ス/) % Sand % Silt % Mud/Clay % Bedrock Aquatic Vegetation\*: (note amount of vegetation or algal growth at the assessment site) Water Characteristics\*: (Mark all that apply.) Odor: X None □ Sewage ☐ Musky □ Chemical ☐ Other: Color: DUDWINSA ☐ Clear Стееп ☐ Gray ☐ Milky Other: Bottom Deposit: ☐ Sludge □ Solids Fine sediments □ None Other: Surface Deposit: None Other: □ Oil ☐ Scum □ Foam Comments: Please attach additional comments (including information from interviews) to this form. \*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use. I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate. Signed: Position: Scientist Organization:

accheck: cq



0924\_369\_DS



additional photos not included in this document